

Title (en)  
Rotationally symmetric timepiece

Title (de)  
Rotationssymmetrische Uhr

Title (fr)  
Pièce d'horlogerie présentant une symétrie de révolution

Publication  
**EP 0802463 A3 20001220 (EN)**

Application  
**EP 97106434 A 19970418**

Priority  
US 63487096 A 19960419

Abstract (en)  
[origin: US5640372A] A rotationally symmetric timepiece wherein time information is displayed along an axis that is marked in 13 locations with axially symmetric markers. The 13 markers divide the axis into 12 sections of preferably equal length as well as mark the ends of the axis. Time information is displayed by one or more indicators which move along the axis at controlled rates. To display hour information, an indicator, which encircles the axis, is moved along the axis at a speed such that it travels the full length of the axis in a 12-hour period. At the end of this period, the indicator is preferably reset back to the first indicator. To display minute and second information, two additional indicators are used. The minute indicator is made to travel the length of the axis every hour before being reset, while the second indicator travels the length of the axis over a period of one minute before it is reset. The indicators are of different diameters so they do not interfere with each other as they travel along the axis.

IPC 1-7  
**G04B 45/00**; **G04B 19/08**

IPC 8 full level  
**A63H 33/00** (2006.01); **G04B 19/04** (2006.01); **G04B 19/08** (2006.01); **G04B 45/00** (2006.01)

CPC (source: EP US)  
**G04B 19/082** (2013.01 - EP US); **G04B 45/00** (2013.01 - EP US)

Citation (search report)

- [XA] US 4161098 A 19790717 - INGENDAHL KURT [CH]
- [X] GB 2043969 A 19801008 - INGENDAHL K
- [A] US 2221413 A 19401112 - SCHANZ JACOB L
- [A] DE 3718835 A1 19881215 - KNAUER ROLAND DIPL ING [DE]

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 5640372 A 19970617**; EP 0802463 A2 19971022; EP 0802463 A3 20001220; JP H1062560 A 19980306; TW 342471 B 19981011

DOCDB simple family (application)  
**US 63487096 A 19960419**; EP 97106434 A 19970418; JP 11506597 A 19970418; TW 86104722 A 19970412